Supplementary Table 2. Comparison of side effects between groups after rTMS and after ECT

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|  | **After active/sham rTMS (Day4)** | | | **After ECT (Day19)** | | |
|  | Active rTMS group | Sham rTMS  group | p value | Active rTMS group | Sham rTMS group | p value |
| **The UKU Side effects rating Scale** | | | | | | |
| Concentration Difficulties | 7,7% (n=2/26) | - | 0.490 a | 29.2% (n=7/24) | 43.5% (n=10/23) | 0.307 b |
| Asthenia/Lassitude/Increased Fatigability | 26.9% (n=7/26) | 11.5% (n=3/26) | 0.159 b | 37.5% (n=9/24) | 65.2% (n=15/23) | 0.057 b |
| Sleepiness / Sedation | 3.8% (n=1/26) | 7.7% (n=2/26) | 1.000 a | 12.5% (n=3/24) | 26.1% (n=6/23) | 0.286 a |
| Failing Memory | - | - | - | 45.8% (n=11/24) | 60.9% (n=14/23) | 0.302 b |
| Depression | - | - | - | - | 8.7%(n=2/23) | 0.489 a |
| Tension/Inner Unrest | - | - | - | 4.2% (n=1/24) | 17.4% (n=4/23) | 0.188 a |
| Modified duration of sleep | 3.8% (n=1/26) | 7.7% (n=2/26) | 1.000 a | 4.2% (n=1/24) | 8.7%(n=2/23) | 0.609 a |
| Increased dream activity | 3.8% (n=1/26) | 3.8% (n=1/26) | 1.000 a | 4.2% (n=1/24) | 13.6% (n=3/22) | 0.336 a |
| Emotional indifference | - | - | - | - | 9.1% (n=2/22) | 0.223 a |
| Tremor | - | - | - | 8.7% (n=2/23) | 8.7% (n=2/23) | 1.000 a |
| Paresthesias | 7.7% (n=2/26) | 3.8% (n=1/26) | 1.000 a | 8.3% (n=2/24) | 8.7% (n=2/23) | 1.000 a |
| Headache | 30.8% (n=8/26) | 26.9% (n=7/26) | 0.760 b | 34.8% (n=8/23) | 56.5% (n=13/23) | 0.139 b |
| Nausea/Vomiting | - | - | - | 4.2% (n=1/23) | 4.3% (n=1/22) | 1.000 a |
| Orthostatic Dizziness | 3.8% (n=1/26) | - | 1.000 a | 16.7% (n=4/24) | 17.4% (n=4/23) | 1.000 a |
| Palpitations/Tachycardia | - | - | - | - | 4.3% (n=1/22) | 0.489 a |